Hypophosphatasia (HPP) is a metabolic disorder characterized by LOW Alkaline Phosphatase (ALP) activity¹

Patients with HPP may experience unpredictable, devastating, and life-limiting consequences, including:1











In adults, low ALP activity is <40 U/L^{2,a}

Age- and sex-adjusted ALP reference intervals must be used in children³⁴

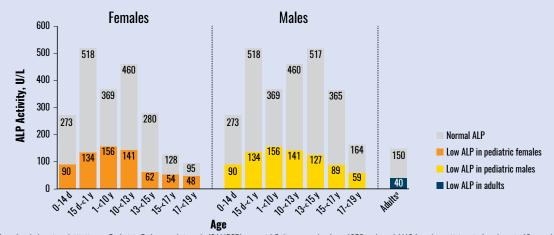
Patients with any of these key signs/symptoms and **LOW ALP** should be evaluated for HPP¹

^aExample cutoff from Abbott Laboratories; adult ALP ranges are lab specific and may vary.

References: 1. Bishop N, et al. Arch Dis Child. 2016;101(6):514-515. 2. Alkaline phosphatase [package insert]. Abbott Park, IL: Abbott Laboratories; 2007. 3. Offiah AC, et al. Pediatr Radiol. 2019;49(1):3-22. 4. Colantonio DA, et al. Clin Chem. 2012;58(5):854-868.

LOW Alkaline Phosphatase (ALP) may not be flagged if your laboratory does not use age- and sex-adjusted reference intervals in children when testing ALP activity¹

Age- and sex-adjusted ALP reference ranges, U/L^{2,3}



NOTE: Graph adapted from the Canadian Laboratory Initiative on Pediatric Reference Intervals (CALIPER) project.² Caliper samples from 1072 male and 1116 female participants (newborn to 18 years) were used to calculate age- and sex-specific reference intervals. No variation in ALP based on ethnic differences was observed. Reference intervals shown were established on the Abbott ARCHITECT c8000 analyzer.

Adult interval provided by the Abbott ARCHITECT ALP product information sheet is for females >15 and males >20 years of age. For younger ages, Abbott does not provide lower limits of normal.

LOW Alkaline Phosphatase (ALP) is hallmark of Hypophosphatasia.¹
<u>To learn more, please visit www.hypophosphatasia.com</u>

References: 1. Rockman-Greenberg C. Pediatr Endocrinol Rev. 2013;10(2 suppl):380-388. 2. Colantonio DA, et al. Clin Chem. 2012;58(5):854-868. 3. Alkaline phosphatase [package insert]. Abbott Park, IL: Abbott Laboratories; 2007.



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